Patent Application Publication Sep. 4, 2008 Sheet 1 of 5 US 2008/0215450 A1

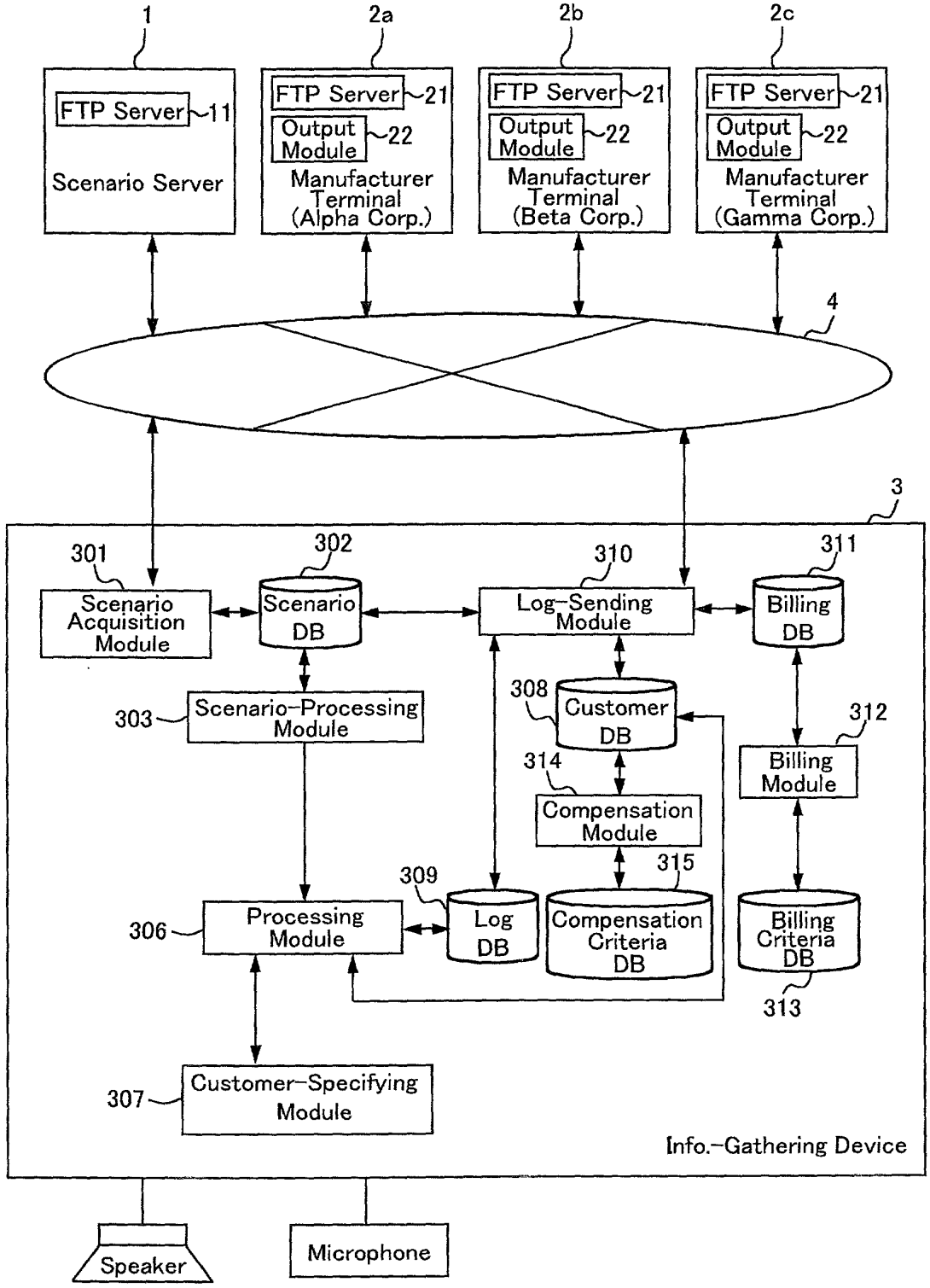

Fig. 1

Merchandise Name	Dialogue Scenario Name	Log Send Destination
DVD-ROM Drive	dvd.vxml	ftp.alpha.com
		ftp.beta.com
		ftp.gamma.com
Vacuum Cleaner	cleaner.vxml	ftp.cleanroom.co.jp
		ftp.sanitary.com
Refrigerator	refrigerator.vxml	ftp.refrigerator.com
⋮	⋮	⋮

Fig. 2

TOH260 "TBTT9660

Customer ID	Personal Info.					Accumulated File Size (KB)
	Name	Sex	Age	Occupation	e-mail	
4706	Taro Fujitsu	M	30	office worker	taro@fujitsu.com	40
4707	Hanako Fujitsu	F	35	office worker	hanako@fujitsu.com	100
⋮	⋮	⋮	⋮	⋮	⋮	⋮

Fig. 3

Dialogue Scenario Name	Customer ID	Log File
dvd.vxml	4706	dvdlog1.txt
	4707	dvdlog2.txt
cleaner.vxml	4708	clog1.txt
⋮	⋮	

Fig. 4

Accumulated File Size	Billing Total (Yen)
0～50GB	0
50～100GB	5,000
100～200GB	10,000
⋮	⋮

Fig. 5

Log Send Destination	Accumulated File Size (GB)	Billing/Total
ftp.alpha.com	199	10,000
ftp.bata.com	55	5,000
⋮	⋮	⋮

Fig. 6

Accumulated File Size	Compensation
100MB	¥1,000 Gift Certificate
500MB	¥1,000 Gift Certificate
⋮	⋮

Fig. 7

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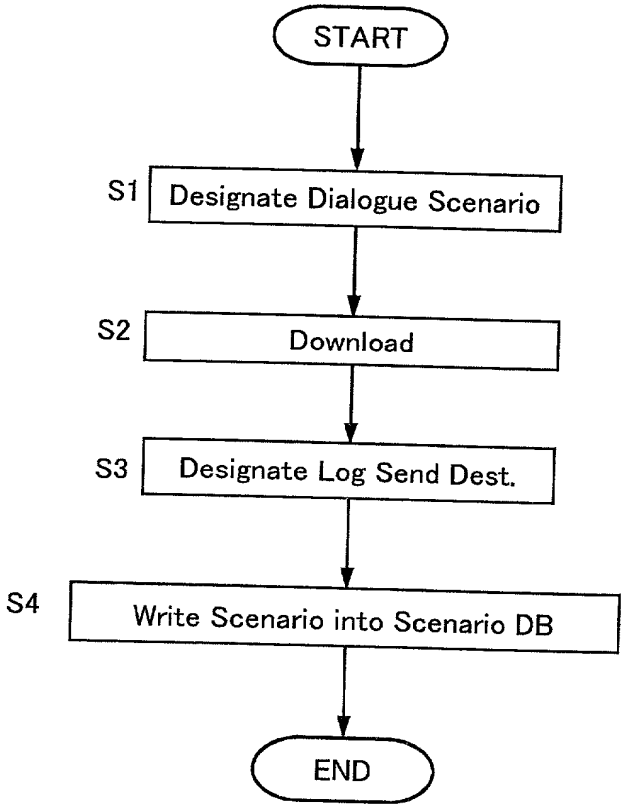

Fig. 8

Document ID: US 2007/0294147 A1

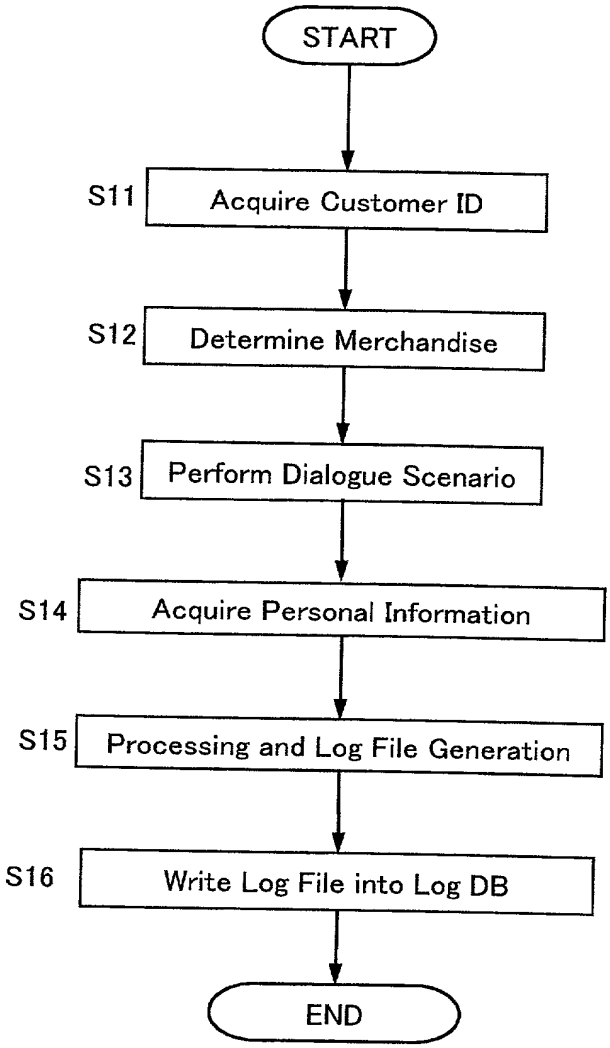

Fig. 9

<personal> Card No.: 4706; Name: Taro Fujitsu; Sex: M; Age: 30; Occupation: Office Worker; E-mail: taro@fujitsu.com
</personal>
<dialogue>

Q1: The DVD-R drives that are the subject of this questionnaire are currently sold by three companies, Alpha Corp., Beta Corp., and Gamma Corp. I will explain the DVD-R drives that the three companies are offering, so please tell me a product name of your choice.

A1: O.K., Alpha Corp.'s DVD-R drive.

Q2: The DVD-R drive made by Alpha Corp. supports recording onto not only 4.7 GB media, but also the older 3.95 GB media. Connects to a personal computer via an exterior SCSI bus. Doesn't have an auto-shutoff function. Price is ¥35,000.

A2: Huh? They're asking ¥35,000? That's steep, isn't it. And not having auto-shutoff would pretty much bother me.

Q3: I beg your pardon; I didn't get that. Please tell me again.

A3: The cost is too high.

Q4: Well then, I will explain another product. Please tell me a product name of your choice.

A4: All right, Beta Corp.'s DVD-R drive. . . .
</dialogue>

0704-5678-0704-5678

Fig. 10

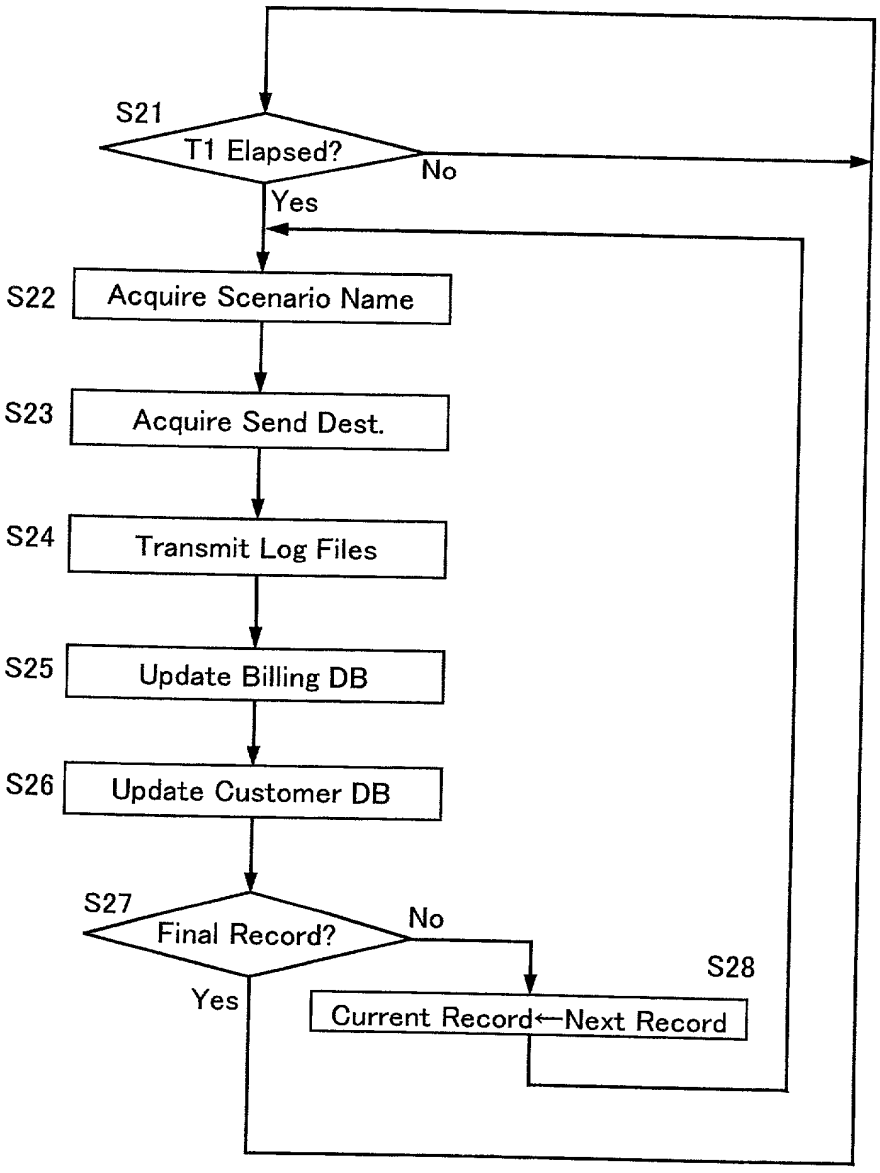
S21
T1 Elapsed?
No
Yes
S22
Acquire Scenario Name
S23
Acquire Send Dest.
S24
Transmit Log Files
S25
Update Billing DB
S26
Update Customer DB
S27
Final Record?
No
Yes
S28
Current Record←Next Record

Fig. 11

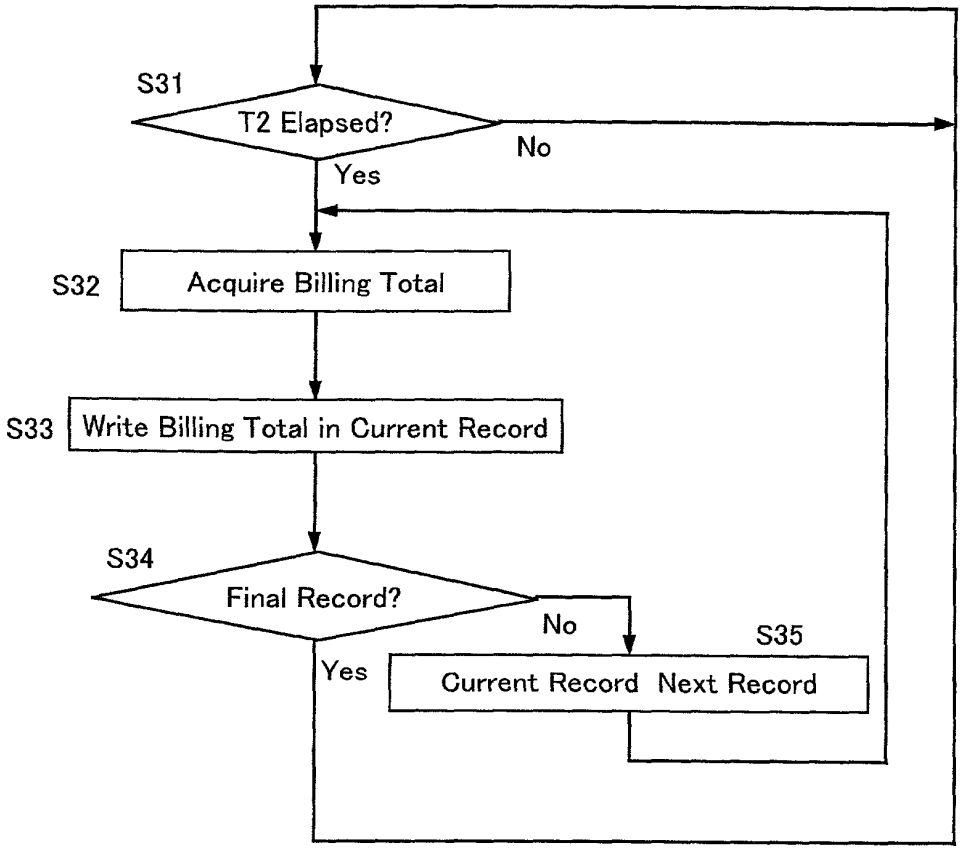
S31
T2 Elapsed?
No
Yes
S32
Acquire Billing Total
S33
Write Billing Total in Current Record
S34
Final Record?
No
S35
Yes
Current Record Next Record

Fig. 12

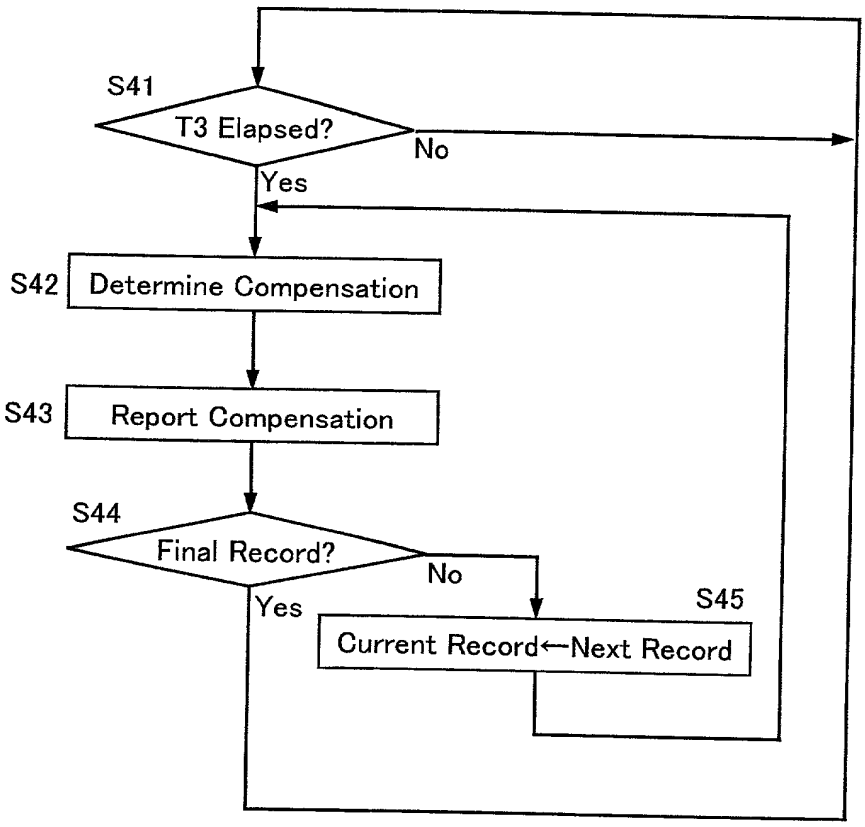
S41
T3 Elapsed?
No
Yes
S42
Determine Compensation
S43
Report Compensation
S44
Final Record?
No
Yes
S45
Current Record←Next Record

Fig. 13

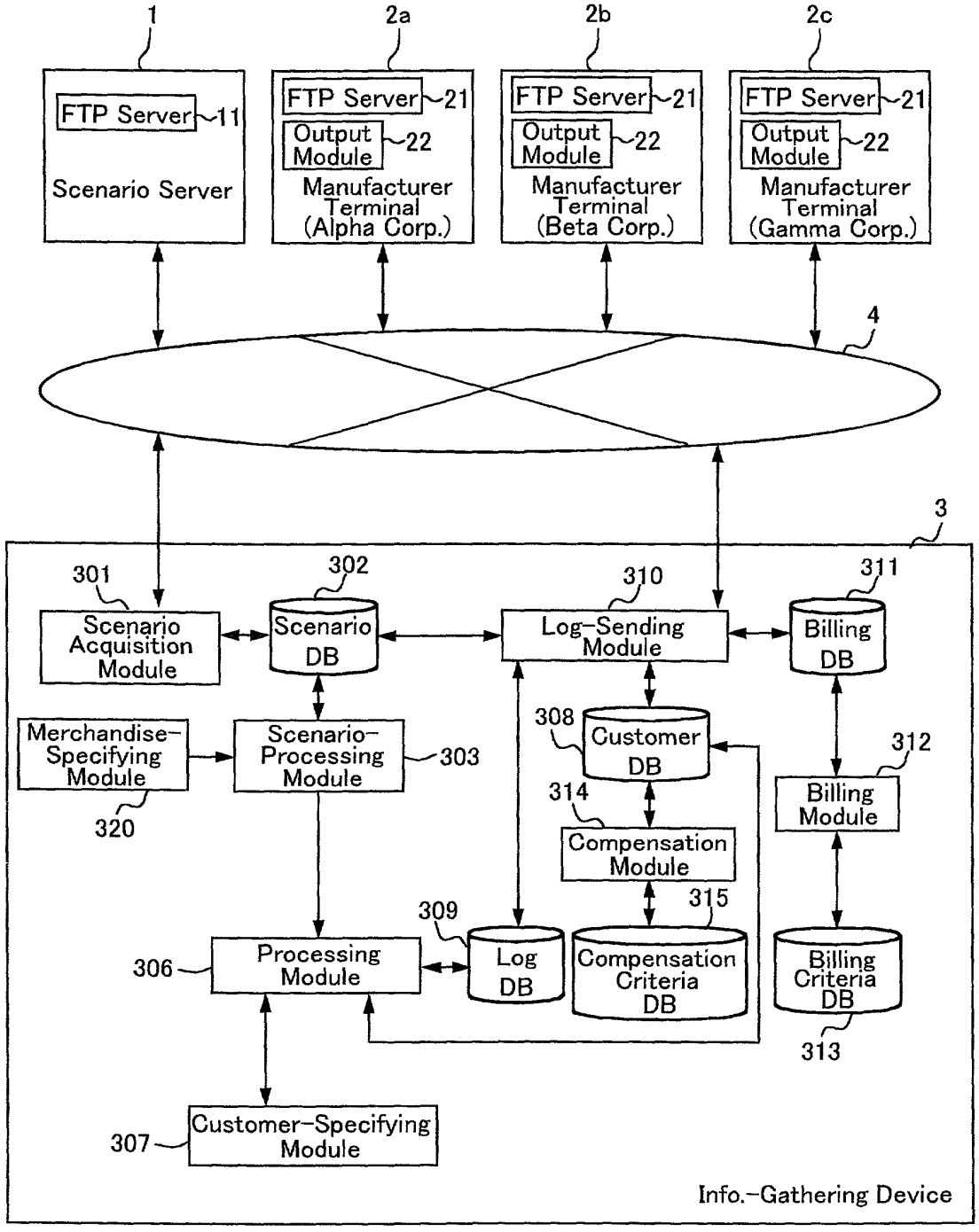
1
2a
2b
2c
FTP Server
11
FTP Server
21
Output Module
22
Scenario Server
Manufacturer Terminal (Alpha Corp.)
Manufacturer Terminal (Beta Corp.)
Manufacturer Terminal (Gamma Corp.)
4
3
301
302
310
311
Scenario Acquisition Module
Scenario DB
Log-Sending Module
Billing DB
Merchandise-Specifying Module
Scenario-Processing Module
303
320
308
Customer DB
312
Billing Module
314
Compensation Module
315
309
306
Processing Module
Log DB
Compensation Criteria DB
Billing Criteria DB
313
307
Customer-Specifying Module
Info.-Gathering Device

Fig. 14

Merchandise ID	Dialogue Scenario Name	Log Send Destination
001	Alpha Corp. DVD-R.vxml	ftp.alpha.com
002	Beta Corp. DVD-R.vxml	ftp.bata.com
⋮	⋮	⋮

Fig. 15

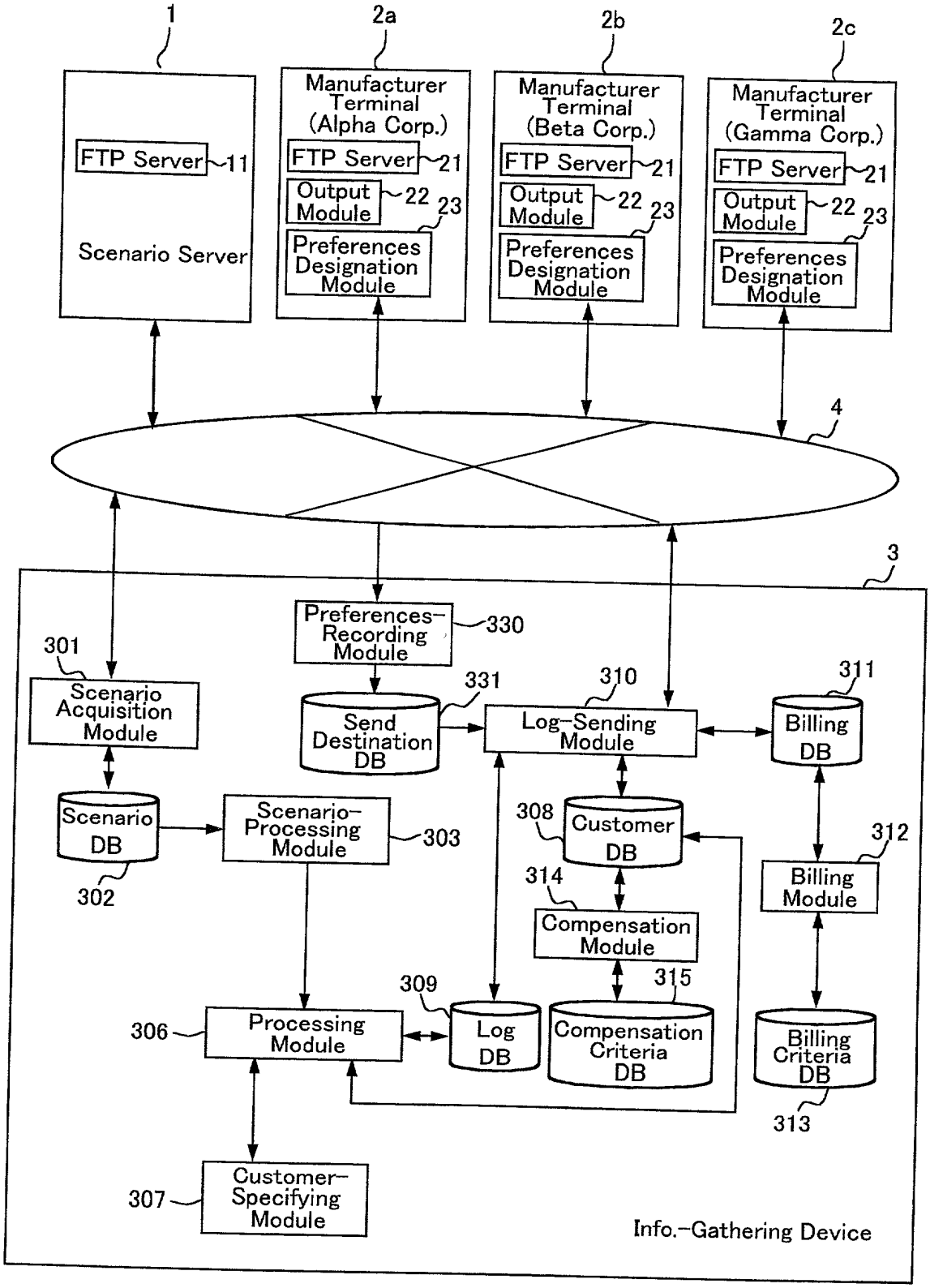
1
2a
2b
2c
FTP Server
11
Scenario Server
Manufacturer Terminal (Alpha Corp.)
FTP Server
21
Output Module
22
23
Preferences Designation Module
Manufacturer Terminal (Beta Corp.)
Manufacturer Terminal (Gamma Corp.)
4
3
Preferences-Recording Module
330
301
Scenario Acquisition Module
331
Send Destination DB
310
Log-Sending Module
311
Billing DB
Scenario DB
302
Scenario-Processing Module
303
308
Customer DB
312
314
Billing Module
Compensation Module
315
309
306
Processing Module
Log DB
Compensation Criteria DB
Billing Criteria DB
313
307
Customer-Specifying Module
Info.-Gathering Device

Fig. 16

Log Send Destination	Sending Preference 1	Sending Preference 2	Sending Preference 3
ftp.alpha.com	Dialogue Scenario Name="DVD-R"	30≦Age≦40 AND Sex="M" AND Occupation=Office Worker	DVD-R OR DVD-R Media
ftp.beta.com	Merchandise ID="100"	Age≧25 AND Sex="Both" AND Occupation="All"	Vacuuming OR Cleaning
⋮	⋮	⋮	⋮

Fig. 17

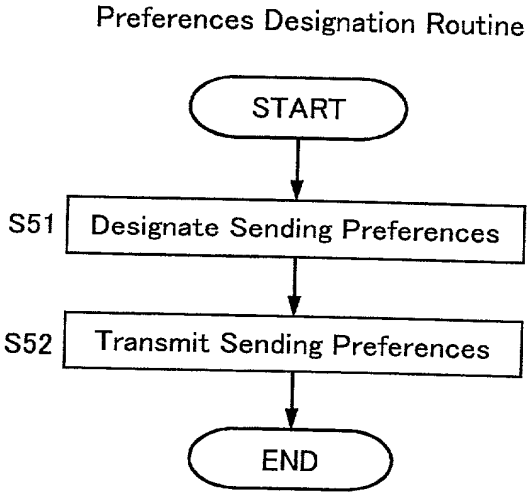
Preferences Designation Routine
START
S51
Designate Sending Preferences
S52
Transmit Sending Preferences
END

Fig. 18

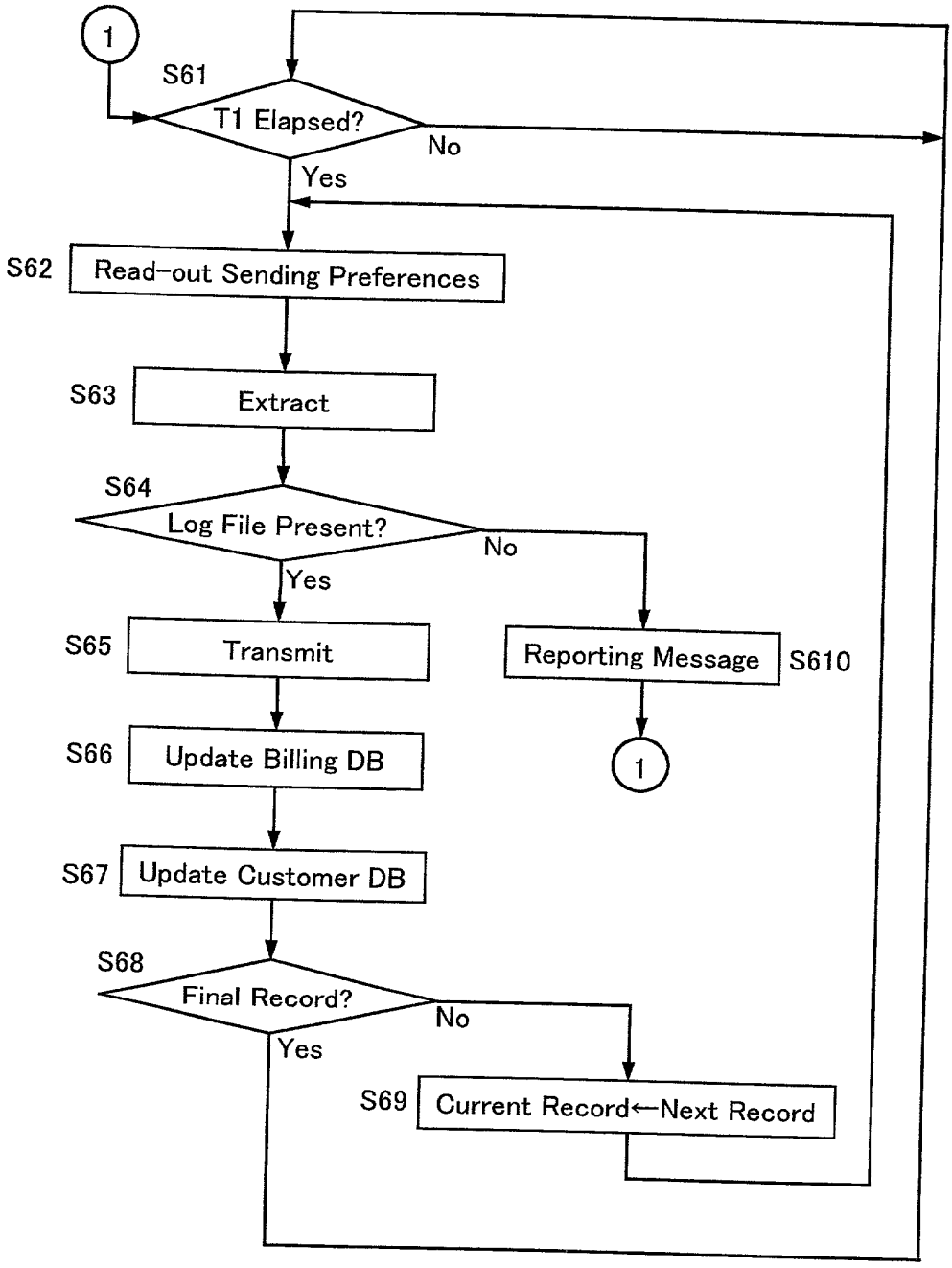
1
S61
T1 Elapsed?
No
Yes
S62
Read-out Sending Preferences
S63
Extract
S64
Log File Present?
No
Yes
S65
Transmit
Reporting Message
S610
1
S66
Update Billing DB
S67
Update Customer DB
S68
Final Record?
No
Yes
S69
Current Record←Next Record

Fig. 19

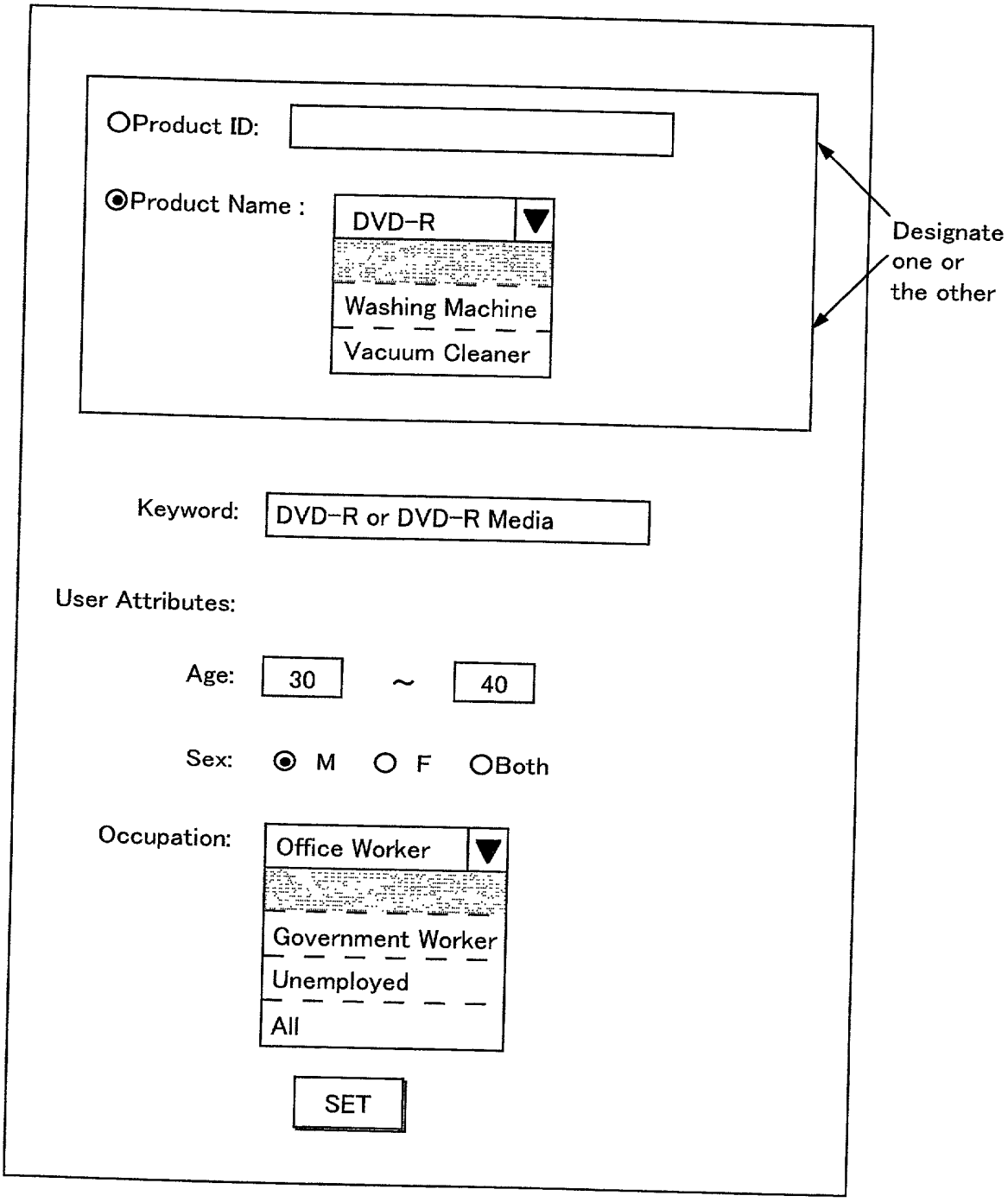
Product ID:
Product Name :
DVD-R
Washing Machine
Vacuum Cleaner
Designate one or the other
Keyword:
DVD-R or DVD-R Media
User Attributes:
Age:
30
~
40
Sex:
M
F
Both
Occupation:
Office Worker
Government Worker
Unemployed
All
SET

Fig. 20